

Databases Searched: 2/17/2007

Databases Searched: USPAT, USPAPUB

Plurals: ON

Terms Searched:

L1 ((rc or rcl) near5 network) near10 (reduc\$3 or reduction or simplif\$8 or approximat\$4 or proximat\$4 or estimat\$4 or predict\$4)

L2 (minimal\$2 or negligibl\$2 or inconsequential\$2 or small\$2 or (less adj than) or (("not" or "no") adj (more or bigger or exceed\$3 or surpass\$3 or greater) adj than)) near5 (threshold or predetermined or error or range or effect or predefined or value or standard)

L3 1 same 2 and @pd>"20060808"

Results: 0 hit

L4 (coupling or crosstalk\$3 or (cross\$3 adj talk\$3))

L5 1 same 4

L6 5 and 716/1-18.ccls. and @pd>"20060808"

Results: 1 hit

L7 (combin\$3 or merg\$3) same (((input same output) or ((fanin or fan-in) same (fanout or fan-out)))) near10 (similar\$5 or identical\$2 or match\$3 or "same")

L8 7 and 716/1-18.ccls. and @pd>"20060808"

Results: 9 hits

L8 ((reduc\$3 or reduction or simplif\$8 or approximat\$4 or proximat\$4 or estimat\$4 or predict\$4) near15 (abstract\$4 or topolog\$6 or model\$3))

L9 (minimal\$2 or negligibl\$2 or inconsequential\$2 or small\$2 or (less adj than) or (("not" or "no") adj (more or bigger or exceed\$3 or surpass\$3 or greater) adj than)) near5 (threshold or predetermined or error or range or effect or predefined or value or standard)

L10 (MST or (minimum adj spanning adj tree))

L11 8 same 9

L12 10 and 11 and @pd>"20060805"

Results: 1 hit

L13 (((resistance or resistivity) same (capacitance or capacity)) or (RC)) near10 (shar\$3 or common\$2) near15 (merg\$3 or combin\$5 or group\$3 or cluster\$8) same node

L14 (716/1-18.ccls. or 703/14-16,2.ccls.) and 13 and @pd>20060805

Results: 0 hit

L15 (((resistance or resistivity) same (capacitance or capacity)) or (RC or "r*c")) near10 (shar\$3 or common\$2) same node

L16 (716/1-18.ccls. or 703/14-16,2.ccls.) and 15 and @pd>20060805

Results: 1 hit

L17 symmetric\$4 near5 node

L18 (merg\$3 or combin\$5 or group\$3 or cluster\$8) same 17

L19 8 and 17 and (716/1-18.ccls. or 703/14-16,2.ccls.) and @pd>20060805

Results: 4 hits

L1 ((reduc\$3 or reduction or simplif\$8 or approximat\$4 or proximat\$4 or estimat\$4 or predict\$4) near15 (abstract\$4 or topolog\$6 or model\$3)) or (MST or (minimum adj spanning adj tree))

L2 (minimal\$2 or negligibl\$2 or inconsequential\$2 or small\$2 or (less adj than) or (("not" or "no") adj (more or bigger or exceed\$3 or surpass\$3 or greater) adj than))

L3 1 same 2

L4 716/1-18.ccls. or 703/2,14-16.ccls.

L5 3 and 4

L6 (MST or (minimum adj spanning adj tree))

L7 5 and 6 and @pd>20060721

Results: 7 hits

L8 (rc or "r*c" or resistance or resistivity or resistor or capacitance or capacitor or capacity or load\$3)

L9 7 and 8 and @pd>"20060721"

Results: 7 hits

L10 (reduc\$3 or reduction or simplif\$8 or approximat\$4 or proximat\$4 or estimat\$4 or predict\$4) near15 (abstract\$4 or topology or model\$3)

L11 (minimal\$2 or negligibl\$2 or inconsequential\$2)

L12 10 same 11

L13 4 and 12 and @pd>20060721

Results: 18 hits

L14 10 same 2

L15 4 and 14

L16 (error or accurat\$5 or effect or affect or result\$3) same 10 same 2

L17 16 and 4

L18 6 and 8 and 17 and @pd>20060721

Results: 0 hit

L19 10 near15 2 near5 (error or accurat\$5 or effect or affect or result\$3)

L20 4 and 19 and @pd>20060721

Results: 8 hits

US 7137097 B1 USPAT Aji; Sandeep A. et al. 716/12

US 7149986 B2 USPAT Weber; Darren Gene 716/4

****Interference Search****

Database Searched: USPGPUB

Plurals: ON

Terms Searched:

L1 (((rc or rcl) near5 network) near10 (reduc\$3 or reduction or simplif\$8 or approximat\$4 or proximat\$4 or estimat\$4 or predict\$4)

and (minimal\$2 or negligibl\$2 or inconsequential\$2 or small\$2 or (less adj than) or ("not" or "no") adj (more or bigger or exceed\$3 or surpass\$3 or greater) adj than)) near5 (threshold or predetermined or error or range or effect or predefined or value or standard)).clm.

Results: 0 hit

L2 (((rc or rcl) near5 network) near10 (reduc\$3 or reduction or simplif\$8 or approximat\$4 or proximat\$4 or estimat\$4 or predict\$4)

near15 (coupling or crosstalk\$3 or (cross\$3 adj talk\$3))).clm.

Results: 0 hit

L3 ((combin\$3 or merg\$3) same (((input same output) or ((fanin or fan-in) same (fanout or fan-out))) near10 (similar\$5 or identical\$2 or match\$3 or "same"))).clm.

Results: 151 hits

L4 ((combin\$3 or merg\$3) near15 (((input same output) or ((fanin or fan-in) near15 (fanout or fan-out))) near10 (similar\$5 or identical\$2 or match\$3 or "same"))).clm.

Results: 79 hits

L5 ((combin\$3 or merg\$3) near15 (((input same output) or ((fanin or fan-in) near15 (fanout or fan-out))) near10 (similar\$5 or identical\$2 or match\$3 or "same")) near15 (reduc\$3 or reduction or simplif\$8 or approximat\$4 or proximat\$4 or estimat\$4 or predict\$4)).clm.

Results: 2 hits

L6 (((reduc\$3 or reduction or simplif\$8 or approximat\$4 or proximat\$4 or estimat\$4 or predict\$4) near15 (abstract\$4 or topolog\$6 or model\$3))

near15 (minimal\$2 or negligibl\$2 or inconsequential\$2 or small\$2 or (less adj than) or ("not" or "no") adj (more or bigger or exceed\$3 or surpass\$3 or greater) adj than)) near5 (threshold or predetermined or error or range or effect or predefined or value or standard)

and (MST or (minimum adj spanning adj tree))).clm.

Results: 0 hit

L7 (((resistance or resistivity) near15 (capacitance or capacity)) or (RC)) near10 (share\$3 or common\$2) near15 (merge\$3 or combine\$5 or group\$3 or cluster\$8) near15 node).clm.

Results: 0 hit

Date Searched: 8/8/2006

Databases Searched: USPAT, USPGPUB

Plurals: ON

Terms Searched:

L1 ((rc or rcl) near5 network) near10 (reduce\$3 or reduction or simplify\$8 or approximate\$4 or proximate\$4 or estimate\$4 or predict\$4)

L2 (minimal\$2 or negligible\$2 or inconsequential\$2 or small\$2 or (less adj than) or (("not" or "no") adj (more or bigger or exceed\$3 or surpass\$3 or greater) adj than)) near5 (threshold or predetermined or error or range or effect or predefined or value or standard)

L3 1 same 2

Results: 10 hits

L4 (coupling or crosstalk\$3 or (cross\$3 adj talk\$3))

L5 1 same 4

L6 5 and 716/1-18.ccls.

Results: 3 hits

L7 (combine\$3 or merge\$3) same (((input same output) or ((fanin or fan-in) same (fanout or fan-out))) near10 (similar\$5 or identical\$2 or match\$3 or "same"))

L8 7 and 716/1-18.ccls.

Results: 66 hits

US 20040049746 A1

US-PGPUB

Rao, Vasant B. et al.

716/4

US 6353917 B1

USPAT Muddu; Sudhakar et al.

US 5901063 A

USPAT Chang; Keh-Jeng et al.

US 20040103386 A1

US-PGPUB

Becer, Murat R. et al.

Databases Searched: EPO, JPO, IBM TDB, Derwent

Plurals: ON

Terms Searched:

L1 ((rc or rcl) near5 network) near10 (reduce\$3 or reduction or simplify\$8 or approximate\$4 or proximate\$4 or estimate\$4 or predict\$4)

L2 (minimal\$2 or negligible\$2 or inconsequential\$2 or small\$2 or (less adj than) or (("not" or "no") adj (more or bigger or exceed\$3 or surpass\$3 or greater) adj than)) near5 (threshold or predetermined or error or range or effect or predefined or value or standard)

L3 1 same 2

Results: 0 hit

L4 1 and 2

Results: 0 hit

Database Searched: IEE/IEEE Xplore

Terms Searched: ((rc or rcl) <near/5> network) <near/10> (reduce* or simplify* or approximate* or proximate* or estimate* or predict*)

and (minimal* or negligible* or inconsequential* or small* or (less <near/1> than) or (("not" or "no")

<near/1> (more or bigger or exceed* or surpass* or greater) <near/1> than)) <near/5> (threshold or predetermined or error or range or effect or predefined or value or standard)

Results: Your search matched 0 documents

Terms Searched: ((rc or rcl) <near/5> network) <near/10> (reduc* or simplif* or approximat* or proximat* or estimat* or predict*)

Results: Your search matched 60 of 1387402 documents

Date Searched: 8/5/2006

Databases Searched: USPAT, USPGPUB

Plurals: ON

Terms Searched:

L1 ((reduc\$3 or reduction or simplif\$8 or approximat\$4 or proximat\$4 or estimat\$4 or predict\$4) near15 (abstract\$4 or topolog\$6 or model\$3))

L2 (minimal\$2 or negligibl\$2 or inconsequential\$2 or small\$2 or (less adj than) or (("not" or "no") adj (more or bigger or exceed\$3 or surpass\$3 or greater) adj than)) near5 (threshold or predetermined or error or range or effect or predefined or value or standard)

L3 (MST or (minimum adj spanning adj tree))

L4 1 same 2

L5 3 and 4

Results: 5 hits

L6 (((resistance or resistivity) same (capacitance or capacity)) or (RC)) near10 (shar\$3 or common\$2) near15 (merg\$3 or combin\$5 or group\$3 or cluster\$8) same node

L7 (716/1-18.ccls. or 703/14-16,2.ccls.) and 6

Results: 0 hits

L8 (((resistance or resistivity) same (capacitance or capacity)) or (RC or "r*c")) near10 (shar\$3 or common\$2) same node

L9 (716/1-18.ccls. or 703/14-16,2.ccls.) and 8

Results: 9 hits

L10 symmetric\$4 near5 node

L11 (merg\$3 or combin\$5 or group\$3 or cluster\$8) same 10

L12 1 and 11 and (716/1-18.ccls. or 703/14-16,2.ccls.)

Results: 31 hits

US 5818729 A

USPAT Wang; Chi-Hung et al. 716/9

Databases Searched: EPO, JPO, IBM TDB, Derwent

Plurals: ON

Terms Searched:

L1 ((reduc\$3 or reduction or simplif\$8 or approximat\$4 or proximat\$4 or estimat\$4 or predict\$4) near15 (abstract\$4 or topolog\$6 or model\$3))

L2 (minimal\$2 or negligibl\$2 or inconsequential\$2 or small\$2 or (less adj than) or (("not" or "no") adj (more or bigger or exceed\$3 or surpass\$3 or greater) adj than)) near5 (threshold or predetermined or error or range or effect or predefined or value or standard)

L3 (MST or (minimum adj spanning adj tree))

L4 1 same 2

L5 3 and 4

Results: 0 hit

L6 (((resistance or resistivity) same (capacitance or capacity)) or (RC)) near10 (shar\$3 or common\$2) near15 (merg\$3 or combin\$5 or group\$3 or cluster\$8) same node
Results: 1 hit

L7 (((resistance or resistivity) same (capacitance or capacity)) or (RC or "r*c")) near10 (shar\$3 or common\$2) same node
Results: 25 hits

L8 symmetric\$4 near5 node

L9 (merg\$3 or combin\$5 or group\$3 or cluster\$8) same 8

L10 1 and 9

Results: 1 hit

JP 2003218204 A

JPO TSUJII, TAKAFUMI

Database Searched: IEE/IEEE Xplore

Terms Searched: ((reduc* or simplif* or approximat* or proximat* or estimat* or predict*) <near/15> (abstract* or topolog* or model*)) and (minimal* or negligibl* or inconsequential* or small* or (less <near/1> than) or ("not" or "no") <near/1> (more or bigger or exceed* or surpass* or greater) <near/1> than)) <near/5> (threshold or predetermined or error or range or effect or predefined or value or standard) and (MST or (minimum <near/1> spanning <near/1> tree))

Results: Your search matched 0 documents.

Terms Searched: (((resistance or resistivity) or (capacitance or capacity)) or (RC)) <near/10> (shar* or common*) <near/15> (merg* or combin* or group* or cluster*) and node

Results: Your search matched 9 of 1382205 documents

Terms Searched: ((reduc* or simplif* or approximat* or proximat* or estimat* or predict*) <near/15> (abstract* or topolog* or model*)) and (((resistance or resistivity) or (capacitance or capacity)) or (RC)) <near/10> (shar* or common*) <near/15> node

Results: Your search matched 0 documents

Terms Searched: (symmetric* <near/5> node) <near/10> (merg* or combin* or group* or cluster*)

Results: Your search matched 10 of 1382205 documents

Date Searched: 7/21/2006

Databases Searched: USPAT, USPGPUB

Plurals: ON

Terms Searched:

L1 ((reduc\$3 or reduction or simplif\$8 or approximat\$4 or proximat\$4 or estimat\$4 or predict\$4) near15 (abstract\$4 or topolog\$6 or model\$3)) or (MST or (minimum adj spanning adj tree))

L2 (minimal\$2 or negligibl\$2 or inconsequential\$2 or small\$2 or (less adj than) or ("not" or "no") adj (more or bigger or exceed\$3 or surpass\$3 or greater) adj than))

L3 1 same 2

L4 716/1-18.ccls. or 703/2,14-16.ccls.

L5 3 and 4

Results: 615 hits

L6 (MST or (minimum adj spanning adj tree))

L7 5 and 6

Results: 65 hits

L8 (rc or "r*c" or resistance or resistivity or resistor or capacitance or capacitor or capacity or load\$3)

L9 7 and 8

Results: 60 hits

L10 (reduc\$3 or reduction or simplif\$8 or approximat\$4 or proximat44 or estimat\$4 or predict\$4) near15
(abstract\$4 or topology or model\$3)

L11 (minimal\$2 or negligibl\$2 or inconsequential\$2)

L12 10 same 11

L13 4 and 12

Results: 119 hits

L14 10 same 2

L15 4 and 14

Results: 556 hits

L16 (error or accura\$5 or effect or affect or result\$3) same 10 same 2

L17 16 and 4

Results: 309 hits

L18 6 and 8 and 17

Results: 2 hits

L19 10 near15 2 near5 (error or accura\$5 or effect or affect or result\$3)

L20 4 and 19

Results: 66 hits

Databases Searched: EPO, JPO, IBM TDB, Derwent

Plurals: ON

Terms Searched:

L1 (minimal\$2 or negligibl\$2 or inconsequential\$2 or small\$2 or (less adj than) or (("not" or "no") adj (more or bigger or exceed\$3 or surpass\$3 or greater) adj than))

L2 (reduc\$3 or reduction or simplif\$8 or approximat\$4 or proximat44 or estimat\$4 or predict\$4) near15
(abstract\$4 or topology or model\$3)

L3 1 near15 2 near5 (error or accura\$5 or effect or affect or result\$3)

Results: 37 hits

L4 1 near15 2

Results: 233 hits

L5 g06f017\$.ipc. and 4

Results: 19 hits

L6 (IBM TDB only) 1 near15 2

Results: 3 hits

Databases Searched: IEE/IEEE Xplore

Terms Searched: ((minimal* or negligibl* or inconsequential* or small* or (less <near/1> than) or (("not" or "no") <near/1> (more or bigger or exceed* or surpass* or greater) <near/1> than))) <near/15> ((reduc* or reduction or simplif* or approximat* or proximat* or estimat* or predict*) <near/15> (abstract* or topology or model*)) <near/10> (accura\$5 or effect or affect or result*)

Results: Your search matched 171 of 1373978 documents

Terms Searched: ((minimal* or negligibl* or inconsequential* or small* or (less <near/1> than) or (("not" or "no") <near/1> (more or bigger or exceed* or surpass* or greater) <near/1> than))) <near/10> ((reduc* or reduction or simplif* or approximat* or proximat* or estimat* or predict*) <near/10> (abstract* or topology or model*)) <near/5> (accura\$5 or effect or affect or result*)

Results: Your search matched 44 of 1373978 documents

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L50	0	((rc or rcl) near5 network) near10 (reduc\$3 or reduction or simplif\$8 or approximat\$4 or proximat\$4 or estimat\$4 or predict\$4) and (minimal\$2 or negligibl\$2 or inconsequential\$2 or small\$2 or (less adj than) or (("not" or "no") adj (more or bigger or exceed\$3 or surpass\$3 or greater) adj than)) near5 (threshold or predetermined or error or range or effect or predefined or value or standard)).clm.	US-PGPUB	OR	ON	2007/02/17 13:49
L51	0	((rc or rcl) near5 network) near10 (reduc\$3 or reduction or simplif\$8 or approximat\$4 or proximat\$4 or estimat\$4 or predict\$4) near15 (coupling or crosstalk\$3 or (cross\$3 adj talk\$3))).clm.	US-PGPUB	OR	ON	2007/02/17 13:50
L52	151	(combin\$3 or merg\$3) same (((input same output) or ((fanin or fan-in) same (fanout or fan-out)))) near10 (similar\$5 or identical\$2 or match\$3 or "same")).clm.	US-PGPUB	OR	ON	2007/02/17 13:51
L53	151	((combin\$3 or merg\$3) same (((input same output) or ((fanin or fan-in) same (fanout or fan-out)))) near10 (similar\$5 or identical\$2 or match\$3 or "same"))).clm.	US-PGPUB	OR	ON	2007/02/17 13:51
L54	79	((combin\$3 or merg\$3) near15 (((input same output) or ((fanin or fan-in) near15 (fanout or fan-out)))) near10 (similar\$5 or identical\$2 or match\$3 or "same"))).clm.	US-PGPUB	OR	ON	2007/02/17 13:52
L55	2	((combin\$3 or merg\$3) near15 (((input same output) or ((fanin or fan-in) near15 (fanout or fan-out)))) near10 (similar\$5 or identical\$2 or match\$3 or "same")) near15 (reduc\$3 or reduction or simplif\$8 or approximat\$4 or proximat\$4 or estimat\$4 or predict\$4)).clm.	US-PGPUB	OR	ON	2007/02/17 13:53

EAST Search History

L56	0	((((reduc\$3 or reduction or simplif\$8 or approximat\$4 or proximat\$4 or estimat\$4 or predict\$4) near15 (abstract\$4 or topolog\$6 or model\$3)) near15 (minimal\$2 or negligibl\$2 or inconsequential\$2 or small\$2 or (less adj than) or (("not" or "no") adj (more or bigger or exceed\$3 or surpass\$3 or greater) adj than)) near5 (threshold or predetermined or error or range or effect or predefined or value or standard) and (MST or (minimum adj spanning adj tree))).clm.	US-PGPUB	OR	ON	2007/02/17 13:55
L57	0	((((resistance or resistivity) near15 (capacitance or capacity)) or (RC)) near10 (shar\$3 or common\$2) near15 (merg\$3 or combin\$5 or group\$3 or cluster\$8) near15 node).clm.	US-PGPUB	OR	ON	2007/02/17 13:56